



US 20160044980A1

(19) **United States**(12) **Patent Application Publication**  
**GREENACRE**(10) **Pub. No.: US 2016/0044980 A1**(43) **Pub. Date: Feb. 18, 2016**(54) **BREATHABLE WATERPROOF GARMENT***A41D 19/00*

(2006.01)

(71) Applicant: **SEALSKINZ LIMITED**, Norfolk (GB)*A41D 3/04*

(2006.01)

(72) Inventor: **Robert James GREENACRE**, Norfolk (GB)*A41D 1/06*

(2006.01)

(73) Assignee: **SEALSKINZ LIMITED**, Norfolk (GB)(52) **U.S. Cl.**CPC ..... *A41D 31/0016* (2013.01); *A41D 3/04* (2013.01); *A41D 1/06* (2013.01); *A41D 19/0006* (2013.01); *A41H 43/04* (2013.01); *A41D 2400/22* (2013.01)(21) Appl. No.: **14/783,150**(22) PCT Filed: **Mar. 27, 2014**(86) PCT No.: **PCT/GB2014/050981**

§ 371 (c)(1),

(2) Date: **Oct. 8, 2015**(30) **Foreign Application Priority Data**

Apr. 10, 2013 (GB) ..... 1306519.8

Apr. 10, 2013 (GB) ..... 1306520.6

**Publication Classification**(51) **Int. Cl.***A41D 31/00* (2006.01)*A41H 43/04* (2006.01)(57) **ABSTRACT**

A method of manufacturing a breathable waterproof garment, the method comprising: forming a first garment layer (30) in a stretched configuration over an oversized three-dimensional garment former (20) having a profile extending substantially in three dimensions and corresponding to an oversized three-dimensional profile of the garment when worn; covering the first garment layer with an intermediate garment layer (40) resistant to penetration by liquid water but permeable to water vapour; covering the intermediate garment layer (40) with a second garment layer (50); and while the first and second garment layers (30, 50) are simultaneously stretched over the three-dimensional garment former (20) adhering the intermediate garment layer (40) to both the first and second garment layers (30, 50) at a plurality of discrete securement locations.

